

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for the production of plastic parts, comprising the steps that

the plastic parts are injection-moulded by means of a moulding tool (5; 107), and the moulding tool (5; 107) is, after the injection-moulding, displaced together with the plastic part,

~~characterised in that~~ wherein it further includes the steps that the moulding tool (5; 107) is closed, the moulding tool (5; 107) is subjected to a first force for holding together thereof; an injection-moulding nozzle (23) is positioned in the moulding tool; and the moulding tool (5; 107) is subjected to a second force which is greater than the first force for holding together thereof;

and, after the injection-moulding, the step that the moulding tool (5; 107) is released of loading.

2. (Original) The method as claimed in Claim 1, wherein each plastic part is permitted to cool during the displacement.

3. (Currently Amended) The method as claimed in Claim 1 ~~or 2~~, wherein each plastic part, after the injection-moulding, is displaced in relation to an injection-moulding position to a cooling position.

4. (Original) The method as claimed in Claim 3, wherein each plastic part is permitted to cool in the cooling position.

5. (Original) The method as claimed in Claim 1, wherein the moulding tool is subjected to the first force during the displacement.

6. (Currently Amended) The method as claimed in Claim 1 wherein the moulding tool ~~(5; 107)~~ is opened after the displacement.

7. (Currently Amended) The method as claimed in ~~any of the preceding Claims~~ Claim 1, wherein injection-moulding of a plastic part takes place in the injection-moulding position at the same time as another previously injection-moulded plastic part is located in the cooling position.

8. (Currently Amended) The method as claimed in Claim 1, wherein a plastic part in the form of a top section ~~(25)~~ is injection-moulded on one end of a sleeve ~~(22)~~ for forming a packaging container.

9. (Currently Amended) The method as claimed in Claim 8, wherein, in the positioning of the injection-moulding nozzle ~~(23)~~, the sleeve ~~(22)~~ is positioned in relation to the moulding tool ~~(5; 107)~~.

10. (Currently Amended) The method as claimed in ~~any of Claims 1 to 7~~ Claim 1, wherein plastic parts in the form of opening arrangements are injection-moulded in apertures in a material web ~~(101)~~.

11. (Currently Amended) The method as claimed in Claim 10, wherein, in the positioning of the injection-moulding nozzle (23), the material web (104) is positioned in relation to the moulding tool (5; 107).

12. (Currently Amended) An apparatus for producing plastic parts, the apparatus having an injection-moulding nozzle (23), a moulding tool (5; 107) with co-operating mould parts or halves, which has an open and a closed position, as well as means (2; 100) for displacement of each plastic part in relation to an injection-moulding position where injection-moulding takes place, and means (2; 108, 109) for displacement of the moulding tool (5; 107) in the closed state together with the plastic part, ~~characterised in that~~ wherein it further comprises a unity device (15) for holding together the mould parts (6) during the injection-moulding, wherein the unity device (15) is disposed to apply a first force and a second force on the mould parts (6) for holding together thereof, the second force being greater than the first.

13. (Currently Amended) The apparatus as claimed in Claim 12 which further displays a cam mechanism (17) for opening and closing, respectively, of the moulding tool by displacement of the mould parts (6) away from and towards one another, respectively.

14. (Currently Amended) The apparatus as claimed in Claim 13, which further displays retainer means (7) for supporting and displacing the mould parts (6).

15. (Currently Amended) The apparatus as claimed in Claim 14, wherein each retainer means (7) has a wheel (11) which is disposed to follow a cam groove (19).

16. (Currently Amended) The apparatus as claimed in Claim 15, wherein the wheel (11) is spring-biased.

17. (Currently Amended) The apparatus as claimed in Claim 12, which further displays means {24} for positioning the injection-moulding nozzle {23} in the moulding tool {5}.

18. (Currently Amended) The apparatus as claimed in ~~any of Claims 12 to 17~~ Claim 12, wherein the unity device {15} has a spring unit {13} for applying the first force.

19. (Currently Amended) The apparatus as claimed in ~~any of Claims 12 to 18~~ Claim 12, wherein the unity device {15} has a piston and cylinder assembly {16} for applying the second force.

20. (Currently Amended) The apparatus as claimed in ~~any of Claims 12 to 19~~ Claim 12, wherein said means {2} for displacing the moulding tool {5} comprises a rotary hub {4} and at least one arm {3} projecting radially out from the hub {4} and at whose radial outer end the moulding tool {5} is disposed.

21. (Currently Amended) The apparatus as claimed in Claim 20, wherein said means {2} for displacing the moulding tool {5} has five radial arms {3}, one moulding tool {5} being disposed at the radial outer end of each arm {3} with symmetric distribution about the hub {4}.

22. (Currently Amended) The apparatus as claimed in Claim 20 ~~or 21~~, wherein the moulding tool {5} is disposed to be inserted in and removed from the unity device {15} by rotation about the hub {4}.

23. (Currently Amended) The apparatus as claimed in ~~any of Claims 12 to 19~~ Claim 12, wherein said means ~~(108, 109)~~ for displacing the moulding tool comprise pairwise disposed drive means.

24. (Currently Amended) The apparatus as claimed in Claim 23, which further includes means ~~(100)~~ for advancing, in a direction of advancement ~~(M)~~, a material web ~~(101)~~ on which the plastic parts are to be injection-moulded and at which said drive means ~~(108, 109)~~ are disposed on either side of a position in which the material web ~~(101)~~ is advanced.

25. (Currently Amended) The apparatus as claimed in Claim 23 ~~or 24~~, wherein said drive means ~~(108, 109)~~ are disposed to displace the moulding tool ~~(107)~~ in the direction of advancement ~~(M)~~ of the material web ~~(101)~~ at a speed of displacement which is substantially the same as a speed of advancement at which the material web ~~(101)~~ is advanced.

26. (Currently Amended) The apparatus as claimed in Claim 24 ~~or 25~~, wherein at least two moulding tools are disposed on each drive means.

27. (Currently Amended) The apparatus as claimed in ~~any of Claims 23 to 26~~ Claim 23, wherein said drive means comprise rotary wheels ~~(109)~~.

28. (Currently Amended) The apparatus as claimed in ~~any of Claims 23 to 26~~ Claim 23, wherein said drive means comprise endless belts ~~(108)~~.

29. (Currently Amended) The apparatus as claimed in ~~any of Claims 23 to 26~~ Claim 23, wherein said drive means comprise endless chains ~~(109)~~.

30. (Currently Amended) The apparatus as claimed in ~~any of Claims 12 to 22~~ Claim 12, which is disposed to produce plastic parts in the form of top sections (25) for packaging containers by injection-moulding of plastic parts on one end of a sleeve (22) of laminated paperboard.

31. (Currently Amended) The apparatus as claimed in ~~any of Claims 12 to 19 or 23 to 29~~ Claim 12, which is disposed to produce plastic parts in the form of opening arrangements in a material web (101) of laminated paperboard intended for the production of packaging containers (110).